Claims 37-42, 45, 46, 48 and 49, in line 1 of each claim, delete "36" and insert --72--.

Claim 53, line 4, delete "21" and insert --71--.

Claim 57, line 4, delete "52" and insert --73--.

Claim 63, line 4, delete "36" and insert --72--.

Kindly cancel claims 21, 36 and 52 without prejudice, and add new claims 71-73 as follows:

71. (New) A catalyst comprising units of the formula:

 $\begin{bmatrix} R' & R' \\ R' & R' \\ \end{bmatrix}_a$ $L_b + M \\ \vdots \\ X_c$

| | where Y is -O-, -S-, -N-, -P-,

 $\begin{bmatrix} R \\ C \\ R \end{bmatrix}_{n} NR - , \quad \begin{bmatrix} R \\ C \\ R \end{bmatrix}_{n} PR - \text{ or } \begin{bmatrix} R \\ C \\ R \end{bmatrix}_{n} O -$

where each R is independently hydrogen, C_{1.6} alkyl, or C₆₋₁₄ aryl;

R

where each R' is independently R, C_{1-6} alkoxy, C_{7-20} alkaryl, C_{7-20} aralkyl, halogen, or CF_3 ;

where M is a Group 3 to 10 metal;

where each X is independently halogen, C_{1-6} alkyl, C_{6-14} aryl, C_{7-20} alkaryl, C_{7-20} aralkyl, C_{1-6} alkoxy, or

$$-N_{R}^{R}$$

L is X, cyclopentadienyl, $C_{1.6}$ alkyl-substituted cyclopentadienyl, fluorenyl, indenyl, or

where n is an integer from 1 to 4;

a is an integer from 1 to 3;

b is an integer from 0 to 2;

the sum of $a+b \le 3$;

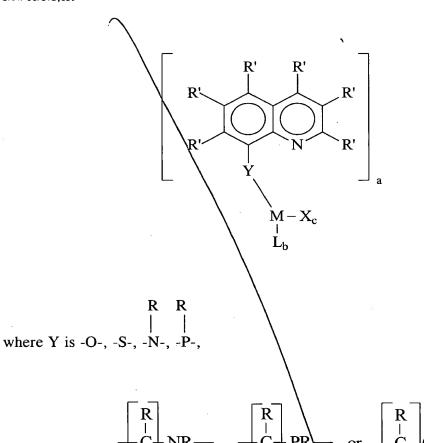
c is an integer from 1 to 6; and

the sum a+b+c equals the oxidation state of M.

72. (New) A catalyst composition suitable for the polymerization of olefins, comprising an activating co-catalyst and a catalyst of the formula:

-3-

S/N: 08/872,659



where each R is independently hydrogen, C_{1-6} alkyl or C_{6-14} aryl;

where each R' is independently R, C_{1-6} alkoxy, C_{7-20} alkaryl, C_{7-20} aralkyl, halogen, or CF_3 ; where M is a Group 3 to 10 metal;

where each X is independently halogen, C_{1-6} alkyl, C_{6-14} aryl, C_{7-20} alkaryl, C_{7-20} aralkyl, C_{1-6} alkoxy, or

L is X, cyclopentadienyl, C₁₋₆ alkyl-substituted cyclopentadienyl, fluorenyl, indenyl,

$$R'$$
 R'
 R'
 R'
 R'

where n is an integer from \(\) to 4;

a is an integer from 1 to 3;

b is an integer from 0 to 2;

the sum of $a+b \le 3$;

c is an integer from 1 to 6; and

the sum a+b+c equals the oxidation state of M.

73. (New) A catalyst comprising units of the formula:

or

$$\begin{bmatrix} R' & R' \\ R' & R' \\ R' & R' \\ \end{bmatrix}_a$$

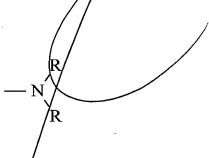
$$\begin{bmatrix} M-X_c \\ L_b \end{bmatrix}$$

where Y is -O-, -S-, -N-, -P-,

where each R is independently hydrogen, C_{1-6} alky1, or C_{6-14} aryl;

where each R' is independently R, C_{1-6} alkoxy, C_{7-20} aralkyl, halogen, or CF_3 ; where M is a Group 3 to 10 metal;

where each X is independently halogen, C_{1-6} alkyl, C_{6-14} aryl, C_{7-20} alkaryl, C_{7-20} aralkyl, C_{1-6} alkoxy, or



L is X, cyclopentadienyl, C₁₋₆ allyl-substituted cyclopentadienyl, fluorenyl, indenyl,

where n is an integer from 1 to 4;

a is an integer from 1 to 3;

b is an integer from 0 to 2;

the sum of $a \not+ b \le 3$;

c is an integer from 1 to 6; and